

Claims:

1. A switch actuator for movable frogs, comprising at least one cylinder piston unit having a defined preset piston stroke, characterized in that the cylinder piston unit (5) is connected with bearings (6) capable of being displaced in the axial direction (31) of the piston stroke, which bearings are connected with a stationary substructure for the adjustment of a defined center position of the piston stroke and the driver for the movable frog (1), and that the driver for the movable frog (1) is coupled with the cylinder piston unit with stops displaceable in the axial direction being interposed.
2. A switch actuator according to claim 1, characterized in that the driver comprises a sliding block (10) and enables a relative movement of the frog (1) along two mutually crossing axes different from the axis of the displacement stroke.
3. A switch actuator according to claim 1 or 2, characterized in that the driver, in the direction of the displacement stroke, is traversed by a spindle (13) having different thread directions on the two sides of the driver, and cooperates with nuts (9) guided in a rotationally fast manner to adjust the idle strokes.
4. A switch actuator according to claim 1, 2 or 3, characterized in that the driver is arranged to be pivotable about the axis of the cylinder piston unit (5), and that the sliding block (10) of the driver carries or comprises a tappet or cylinder portion (18) arranged to be pivotable

about an axis (19) extending substantially normal to the direction of the displacement stroke.

5. A switch actuator according to any one of claims 1 to 4,  
5 characterized in that the bearings (6) capable of being displaced in the axial direction (31) of the piston stroke are each designed as a fork head (25) whose fork is supported in a rotationally fast manner while displaceable in the axial direction (31) and connected with the hydraulic  
10 cylinder piston unit (5) via a bearing journal (26), and that to the fork head (25) is connected a fork head screw (28) that traverses a stop (30) and carries an adjusting nut (29), turning of which causes an axial displacement of the fork head (25).

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6. A switch actuator according to any one of claims 1 to 5, characterized in that the stop (30) is designed as an open slot of a wall of a trough sleeper (4) extending transversely to the longitudinal direction of the sleeper,  
20 or of a stationary switch part.